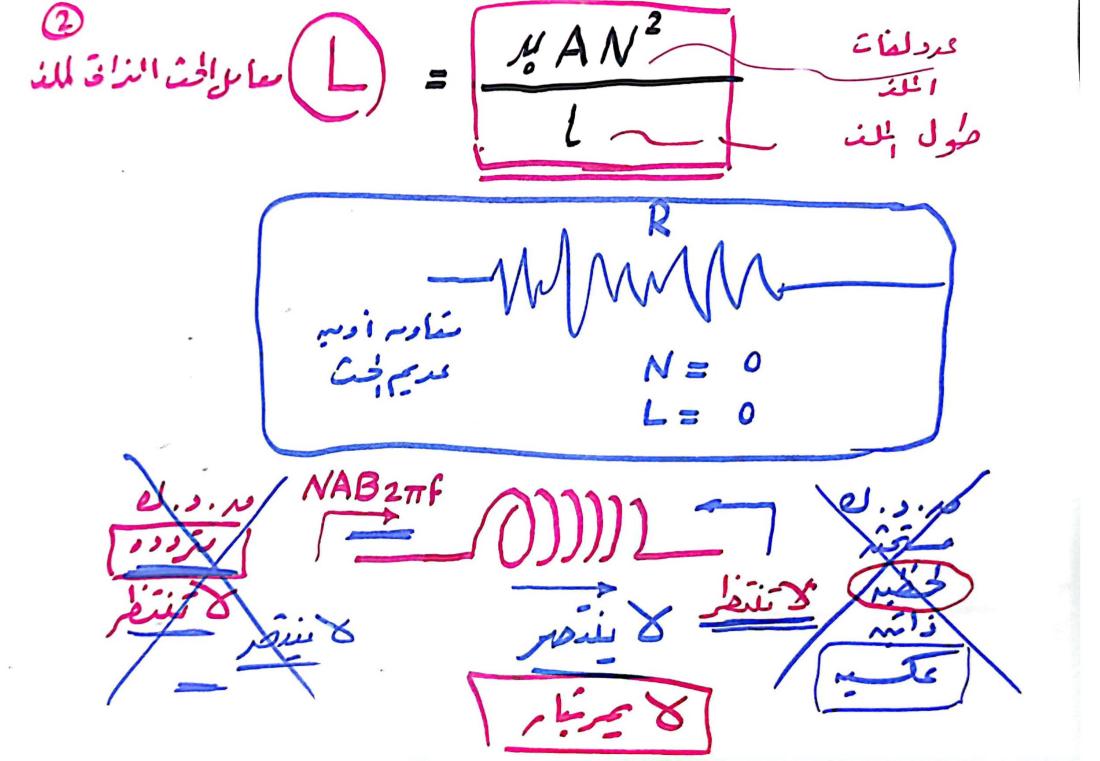
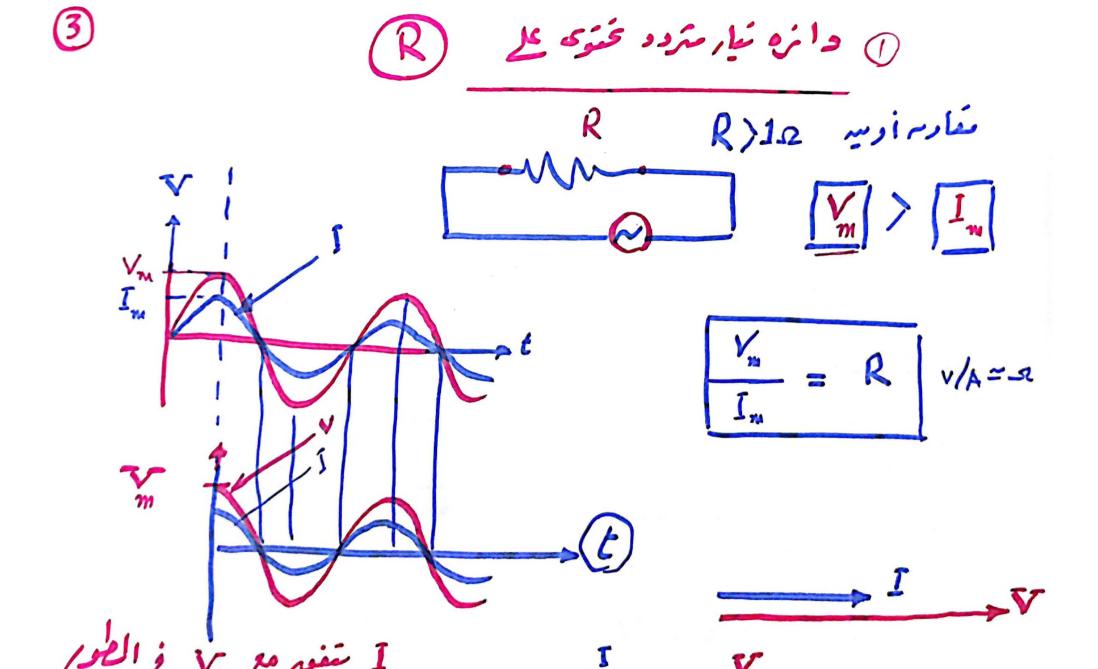


## الفصل الرابع [دوائر التيار المتردد] 1 دانة تيارمترد مقنوى مقاومة أومية | عديمه الحث الله الكرمه | ك در مان منت مكنت حث المارمه الكرمه | ك مديم المارميه والمارسي وا

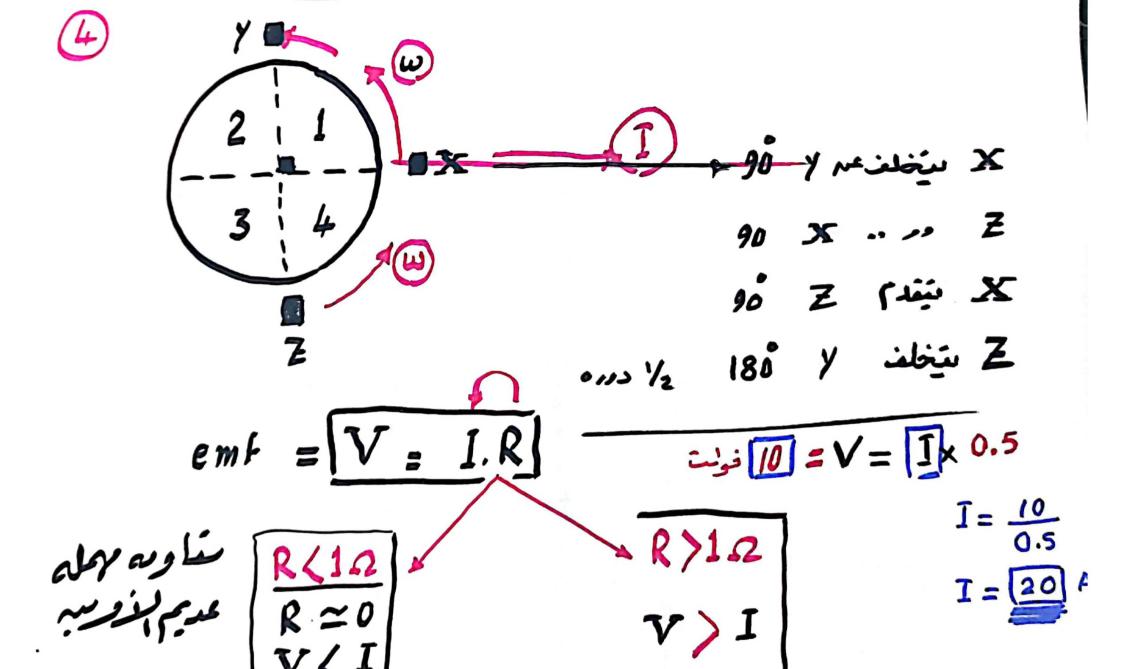
RL RC RLC

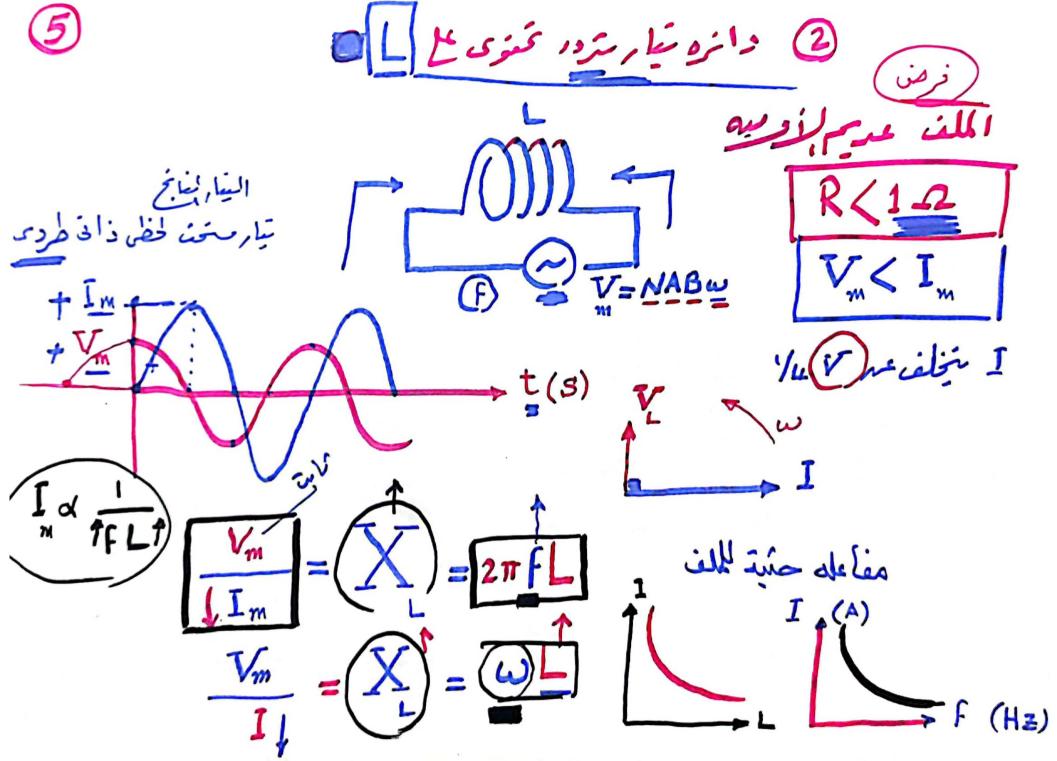
6

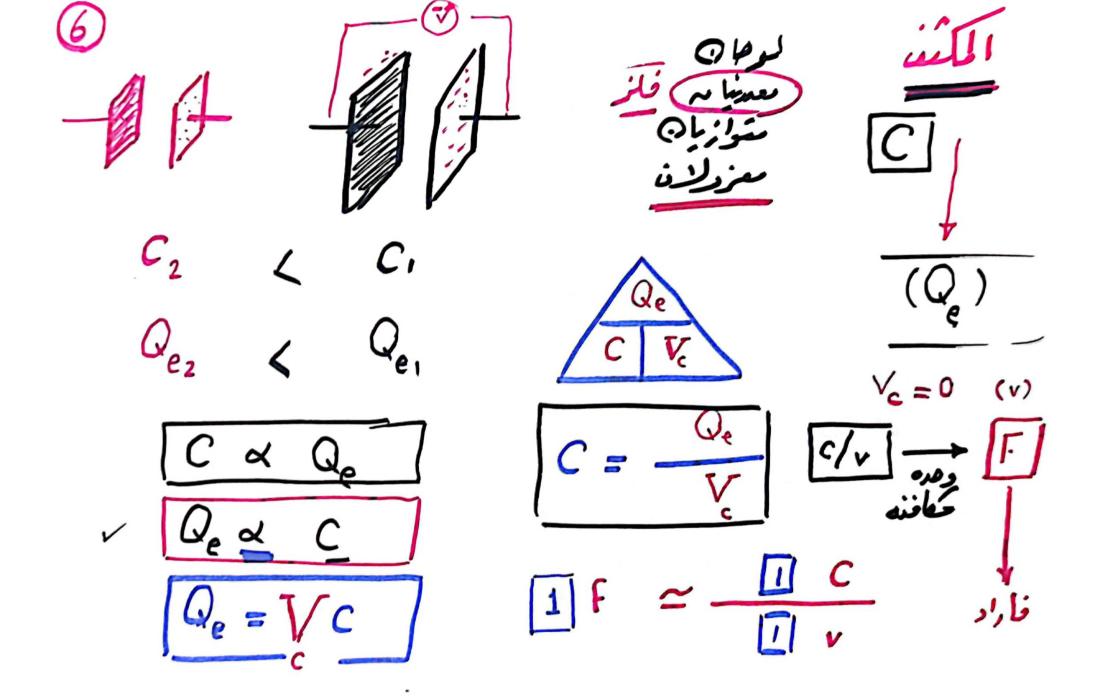


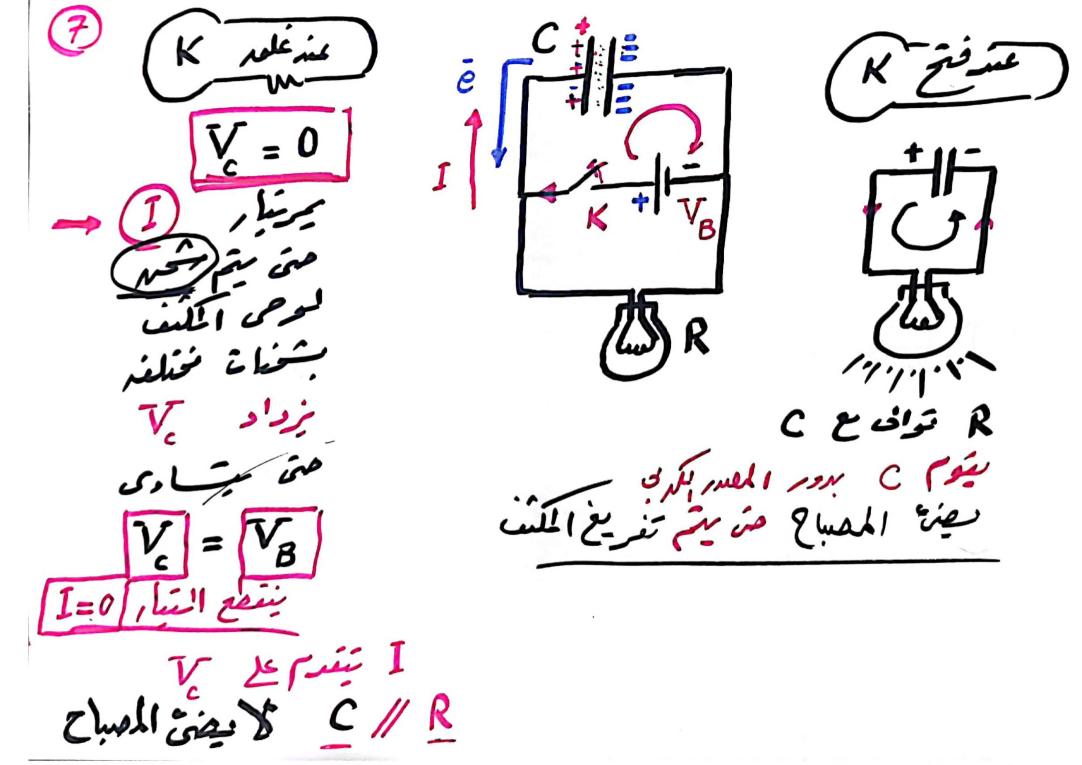


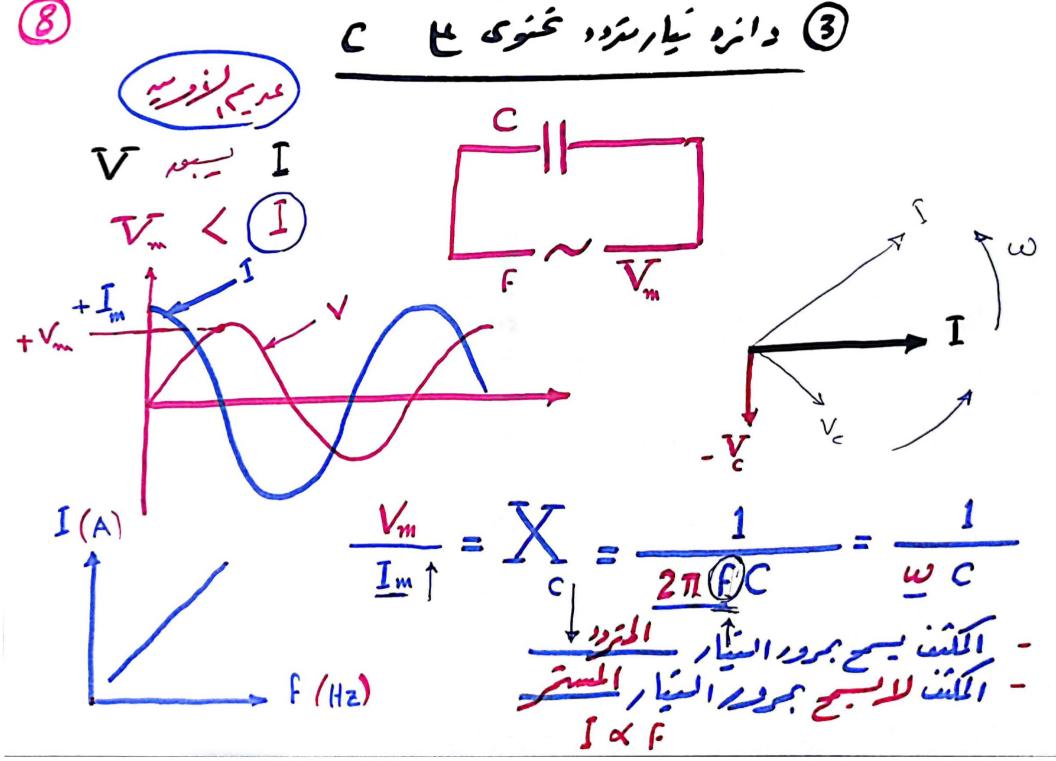
الممسوحة ضوئيا بـ CamScanner

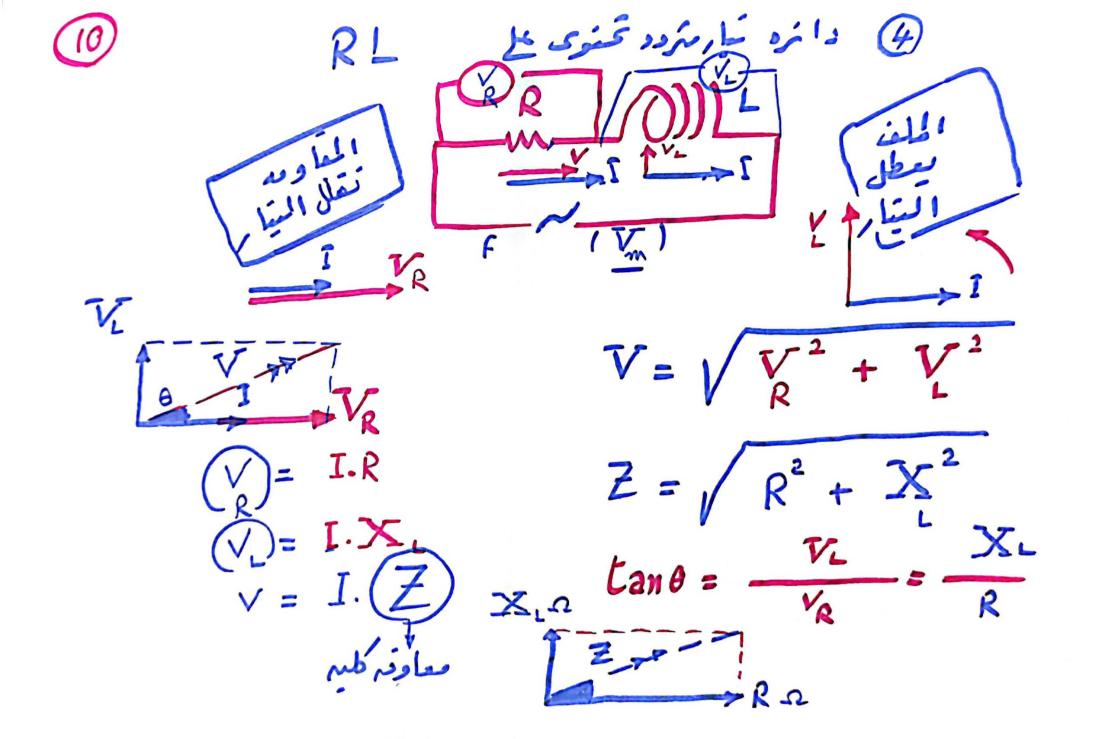




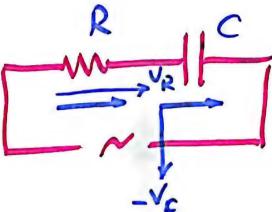


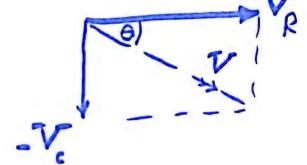












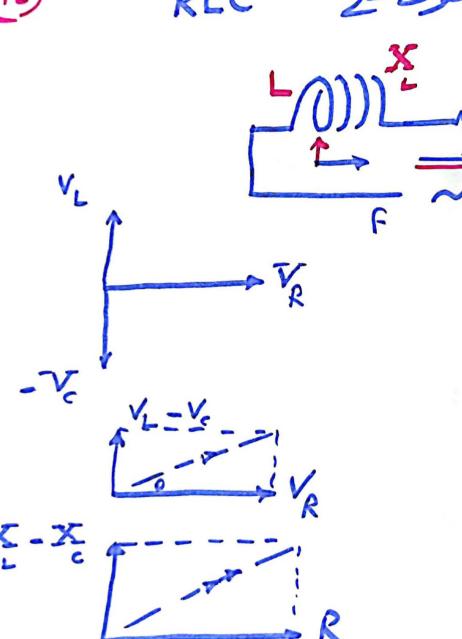
$$V = \sqrt{V_{R}^{2} + V_{C}^{2}}$$

$$Z = \sqrt{R^{2} + X_{C}^{2}}$$

$$An\theta = \frac{-V_{C}}{V_{R}}$$

RLC

6) دانره نیار مزدد تخنوی عل



$$V = \sqrt{V_{R}^{2} + \left[V_{L} - V_{C}\right]^{2}}$$

$$Z = \sqrt{R^{2} + \left[X_{L} - X_{C}\right]^{2}}$$

$$ton \theta = \frac{V_{L} - V_{C}}{V_{R}}$$

$$ton \theta = \frac{X_{L} - X_{C}}{R}$$

$$\frac{1}{I_{\text{max}}} = \frac{Z}{|z|} = R = \sqrt{R^2 + \left[\frac{X}{X} - \frac{X}{C}\right]^2}$$

$$\frac{1}{2\pi f C} = 2\pi f L$$

$$f = \frac{1}{2\pi \sqrt{LC}}$$

$$\frac{f_1}{f_2} = \sqrt{\frac{L_2 C_2}{L_1 C_1}}$$

$$\frac{1}{f_2} = \sqrt{\frac{L_2 C_2}{L_1 C_1}}$$

$$\frac{1}{f_2} = \sqrt{\frac{L_2 C_2}{L_1 C_1}}$$

